Publications:

A generic framework for individual-based modelling and physical-biological interaction
Publication: Research - peer-review › Journal article – Annual report year: 2018

Distribution and timing of spawning Faroe Plateau cod in relation to warming spring temperatures
Publication: Research - peer-review › Journal article – Annual report year: 2018

Marine fisheries in the North East Atlantic: Case Study 4
Publication: Communication › Book chapter – Annual report year: 2018

A trait-based approach to understanding marine communities composition, assembly and diversity
Publication: Research › Ph.D. thesis – Annual report year: 2017

A trait database for marine copepods
Publication: Research - peer-review › Journal article – Annual report year: 2017

From traits to life-history strategies: Deconstructing fish community composition across European seas
Publication: Research - peer-review › Journal article – Annual report year: 2017

Lessons from the first generation of marine ecological forecast products
Publication: Research - peer-review › Journal article – Annual report year: 2017

Managing living marine resources in a dynamic environment: the role of seasonal to decadal climate forecasts
Publication: Research - peer-review › Review – Annual report year: 2017

Marine Ecosystem Climate Services - Forecasting biology at end-user relevant time-scales
Publication: Research › Conference abstract for conference – Annual report year: 2017

Plankton biogeography: An exploration of patterns, drivers, functions, and predictability
Publication: Research › Ph.D. thesis – Annual report year: 2017

Predicting ecosystems for managing a dynamic ocean
Publication: Communication › Internet publication – Annual report year: 2017

Temporal and spatial differences between taxonomic and trait biodiversity in a large marine ecosystem: Causes and consequences
Publication: Research - peer-review › Journal article – Annual report year: 2017
The Sub-Polar Gyre Index - a community data set for application in fisheries and environment research
Publication: Research - peer-review › Journal article – Annual report year: 2017

Translating advances in Arctic climate science to climate services across the Northern Hemisphere
Publication: Research › Poster – Annual report year: 2017

Variation that can be expected when using particle tracking models in connectivity studies
Publication: Research - peer-review › Journal article – Annual report year: 2017

A trait database for marine copepods
Publication: Research - peer-review › Journal article – Annual report year: 2016

A trait database for marine copepods
Publication: Research › Dataset – Annual report year: 2017

Forecasting the spawning distribution of blue whiting (Micromesistius poutassou)
Publication: Research › Conference abstract for conference – Annual report year: 2016

From traits to life history strategies: deconstructing fish community composition across European Seas
Publication: Research › Conference abstract for conference – Annual report year: 2016

Marine Climate Services - Forecasting the state of the ocean at end-user relevant time-scale
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Reproductive traits (Fecundity, egg diameter, parental care) of marine European fish
Publication: Research › Dataset – Annual report year: 2017

Spatial structuration of life history traits: congruence between multiple taxa and environmental drivers in the North Sea
Publication: Research › Poster – Annual report year: 2016

The predictive skill of species distribution models for plankton in a changing climate
Publication: Research - peer-review › Journal article – Annual report year: 2016

Trait biogeography of marine copepods - an analysis across scales
Publication: Research - peer-review › Journal article – Annual report year: 2016

Uncertainties in projecting climate-change impacts in marine ecosystems
Publication: Research - peer-review › Journal article – Annual report year: 2015

Can we understand and predict the distributional shifts of pelagic fish?
Publication: Research › Conference abstract for conference – Annual report year: 2015

Controlling factors in fish early life history and how they combine to influence trophic links across the North Atlantic Ocean.
Publication: Research › Conference abstract for conference – Annual report year: 2015

Ecological niches of open ocean phytoplankton taxa
Publication: Research - peer-review › Journal article – Annual report year: 2015

Environmental determinates of blue whiting (Micromesistius poutassou) spawning distribution
Publication: Research › Conference abstract for conference – Annual report year: 2016
Making and using predictions of species distributions to improve survey design
Publication: Research › Conference abstract for conference – Annual report year: 2015

Measuring evolutionary adaptation of phytoplankton with local field observations
Publication: Research - peer-review › Letter – Annual report year: 2015

Modelled niche centres and niche breadths of open ocean phytoplankton taxa
Publication: Research › Dataset – Annual report year: 2017

Quirky patterns in time-series of estimates of recruitment could be artefacts
Publication: Research - peer-review › Journal article – Annual report year: 2014

Spatial linkages in the early life history of north eastern Atlantic herring populations across the north of the British Isles
Publication: Research › Conference abstract for conference – Annual report year: 2015

Synoptic-scale analysis of mechanisms driving surface chlorophyll dynamics in the North Atlantic
Publication: Research - peer-review › Journal article – Annual report year: 2015

Understanding diversity shifts by characterising the community
Publication: Research › Conference abstract for conference – Annual report year: 2015

Understanding observed copepod distributions with a trait data base
Publication: Research › Poster – Annual report year: 2015

A cascade of warming impacts brings bluefin tuna to Greenland waters
Publication: Research › Conference abstract for conference – Annual report year: 2014

A cascade of warming impacts brings bluefin tuna to Greenland waters
Publication: Research › Conference abstract for conference – Annual report year: 2014

Accuracy and precision in the calculation of phenology metrics
Publication: Research - peer-review › Journal article – Annual report year: 2015

A resolution to the blue whiting (Micromesistius poutassou) population paradox?
Publication: Research - peer-review › Journal article – Annual report year: 2014

Biogeographic classification of the Caspian Sea
Publication: Research - peer-review › Journal article – Annual report year: 2014

Comparative ecology of widely distributed pelagic fish species in the North Atlantic: Implications for modelling climate and fisheries impacts
Publication: Research - peer-review › Journal article – Annual report year: 2014

Distributional shifts of species in the North Atlantic: the rule or the exception?
Publication: Research › Conference abstract for conference – Annual report year: 2014

From fish to phytoplankton
Publication: Research › Conference abstract for conference – Annual report year: 2014
How the Subpolar gyre strength influences phytoplankton blooms dynamics in the North Atlantic
Publication: Research › Paper – Annual report year: 2012

Long-term retrospective analysis of mackerel spawning in the North Sea: A new time series and modeling approach to CPR data
Publication: Research - peer-review › Journal article – Annual report year: 2012

Migration and fisheries of North East Atlantic mackerel (Scomber scombrus) in autumn and winter
Publication: Research - peer-review › Journal article – Annual report year: 2012

Modelling the mixing of herring stocks between the Baltic and the North Sea from otolith data
Publication: Research › Paper – Annual report year: 2012

Subpolar gyre strength influences phytoplankton bloom dynamics
Publication: Research › Conference abstract for conference – Annual report year: 2012

The rise and fall of the NE Atlantic blue whiting (Micromesistius poutassou)
Publication: Research - peer-review › Journal article – Annual report year: 2012

Weak subpolar Gyre lead to early blooms
Publication: Research › Conference abstract for conference – Annual report year: 2012

Does larval mortality influence population dynamics? An analysis of North Sea herring (Clupea harengus) time series
Publication: Research - peer-review › Journal article – Annual report year: 2011

Does operational oceanography address the needs of fisheries and applied environmental scientists?
Publication: Research - peer-review › Journal article – Annual report year: 2011

Ecotypes as a concept for exploring responses to climate change in fish assemblages
Publication: Research - peer-review › Journal article – Annual report year: 2010

Phytoplankton spring bloom influence on larval and juvenile fish survival
Publication: Research › Conference abstract for conference – Annual report year: 2011

Realized habitats of early-stage North Sea herring: looking for signals of environmental change
Publication: Research - peer-review › Journal article – Annual report year: 2011

Improving complex governance schemes around Western Baltic Herring, through the development of a Long-Term Management Plan in an iterative process between stakeholders and scientists
Publication: Research › Paper – Annual report year: 2010

Lessons learned from stock collapse and recovery of North Sea herring: a review
Publication: Research - peer-review › Journal article – Annual report year: 2010

Mind the gaps: a state-space model for analysing the dynamics of North Sea herring spawning components
Publication: Research - peer-review › Journal article – Annual report year: 2010

The role of spatial processes in North Sea herring larval survival and recruitment
Publication: Research › Conference abstract for conference – Annual report year: 2010
Trends in mortality of young herring larvae - evidence of a link to recruiting year-class strength
Publication: Research › Paper – Annual report year: 2010

Climate-driven changes in suitable habitats for North Sea fish: Physiological constraints on the survival of early life stages
Publication: Research › Poster – Annual report year: 2009

Comment on “Does the fall phytoplankton bloom control recruitment of Georges Bank, haddock, Melanogrammus aeglefinus, through parental condition?”
Publication: Research - peer-review › Journal article – Annual report year: 2009

Finding the signal in the noise: objective data-selection criteria improve the assessment of western Baltic spring-spawning herring
Publication: Research - peer-review › Journal article – Annual report year: 2009

Large bio-geographical shifts in the north-eastern Atlantic Ocean: From the subpolar gyre, via plankton, to blue whiting and pilot whales
Publication: Research - peer-review › Journal article – Annual report year: 2009

Recruitment in a changing environment: the 2000s North Sea herring recruitment failure
Publication: Research - peer-review › Journal article – Annual report year: 2009

Recruitment in a changing environment: the role of oceanographic processes in blue whiting population dynamics
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

The North Atlantic subpolar gyre regulates the spawning distribution of blue whiting (Micromesistius poutassou Risso)
Publication: Research - peer-review › Journal article – Annual report year: 2009

Vertical movements of Atlantic cod (Gadus morhua) in the North Sea and the Baltic Sea
Publication: Research › Poster – Annual report year: 2009

What can we learn from the stock collapse and recovery of North Sea herring? A review
Publication: Research › Conference abstract for conference – Annual report year: 2009

IBTS Q1 Sprat (Sprattus sprattus) index calculation algorithm. Implementation in R and comparison with the index used in assessment
Publication: Research › Conference article – Annual report year: 2008

Et flerårigt grundlag for dansk industriﬁskeri: Biologisk vurdering af ressourcegrundlaget og analyse af forvaltningsmodeller
Publication: Research › Report – Annual report year: 2007

A multi-component approach to salt and water diffusion in cheese
Publication: Research - peer-review › Journal article – Annual report year: 1999

Projects:

Marine Ecosystem Climate Services
Project: PhD

Climate Change and European Aquatic Resources (CERES) (39344)
Project
Functional diversity in marine ecosystems - linking biodiversity to ecosystem integrity
Project: PhD

A trait-based approach towards understanding benthic-pelagic pathways in marine ecosystems
Project: PhD

A trait-based approach to Plankton Biogeography
Project: PhD

North Atlantic climate (NACLIM) (38945)
Project

Center for Ocean Life (COOL) - a Villum-Kahn Rasmussen Centre of excellence for the study of life in a changing ocean (38960)
Project

Match and mismatch in the ocean (38897)
Project

Developing fisheries management indicators and targets (DEFINEIT) (38763)
Project

Development of a method for long term spatially resolved management of the herring fishery in the North Sea and Illa taking the migration of the primary herring stocks, the fishery pattern and by-catch of mackerel into consideration (URSIN) (38731)
Project

Judgement and knowledge in fisheries involving stakeholders (JAKFISH) (38132)
Project

Resolving climatic impacts on fish stocks (RECLAIM) (38109)
Project

Understanding the mechanisms of stock recovery (UNCOVER) (38104)
Project

Activities:

ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Benchmark Workshop on Pelagic Stocks - WKPELA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
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ICES - Benchmark Workshop on Pelagic Stocks - WKPELA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Herring Assessment Working Group for the Area South of 62°N - HAWG (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Global Assessment of the Implications of Climate Change on the Spatial Distribution of Fish and Fisheries - WKSICCMESpatial (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Northeast Atlantic mackerel monitoring and methodologies including science and industry involvement - WKNAMMM (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar